

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-135133

(43)Date of publication of application : 21.05.1999

(51)Int.Cl.

H01M 4/86
H01M 8/02
H01M 8/10
// H01M 8/04

(21)Application number : 10-206118

(71)Applicant : FUJI ELECTRIC CO LTD

(22)Date of filing : 22.07.1998

(72)Inventor : TAKANO HIROSHI

(30)Priority

Priority number : 09231997

Priority date : 28.08.1997

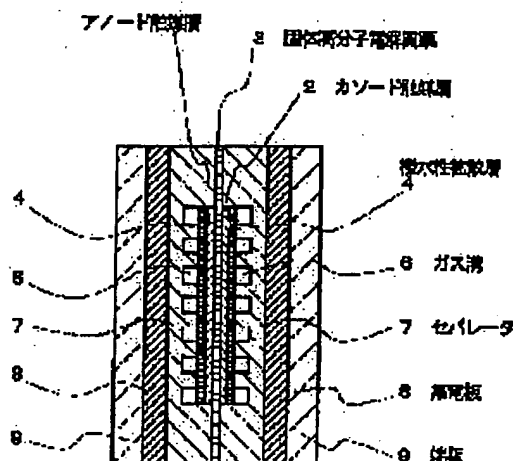
Priority country : JP

(54) SOLID POLYMER ELECTROLYTE FUEL CELL

(57)Abstract:

PROBLEM TO BE SOLVED: To increase the allowable flow rate of water supplied together with a reaction gas, and to stably operate a fuel cell by simple flow rate control.

SOLUTION: An anode catalytic layer 1 and a cathode catalytic layer 2 are bonded to each surface of a solid polymer electrolyte film 3, a diffusion layer is arranged on the outside of each of the catalyst layers 1, 2, and they are interposed between separators 7 having gas grooves 6 to constitute a unit cell. As the diffusion layer on the anode side for supplying a mixed fluid of hydrogen and water, a water repellent diffusion layer 4 made of a water-repellent, gas-permeable conductive member having gas permeability, conductivity, and water repellency is used.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's